

NOTES:

- ALL DIMENSIONS ARE IN mm.
- ALL PLATES ABOVE 20mm THICK SHALL BE UT TESTED.
- ALL WELDS ARE OF 10mm SIZE FILLET UNLESS OTHERWISE SPECIFIED.
- STRESS RELIEVING IS TO BE CARRIED OUT AFTER COMPLETION OF ALL WELDING & BEFORE MACHINING.
- UNLESS OTHERWISE SPECIFIED, ALL WELDING SHALL BE SUBJECTED TO THE FOLLOWING TESTS:
 - 100% MT/PT FOR FILLET WELDS AFTER FINAL PASS.
 - 100% PT FOR GROOVE WELDS AFTER ROOT PASS AND FINAL PASS.
 - 100% UT/ RT FOR GROOVE WELDS AFTER FINAL PASS
- ALL DIMENSIONS SPECIFIED IN THIS DRAWING ARE FINAL DIMENSIONS WHICH ARE TO BE ACHIEVED AFTER FINISH MACHINING.
- ALL MATING SURFACES, BORES AND THREADED HOLES SHALL BE GREASED. THE REMAINING EXPOSED SURFACES SHALL BE PAINTED AS PER THE INSTRUCTIONS STATED IN SPECIFICATION.
- BILL OF MATERIAL SHOWS THE FINISHED SIZES OF PLATES, BARS AND OTHER SECTIONS. FOR MATERIAL PROCUREMENT, NECESSARY FABRICATION & MACHINING ALLOWANCE SHALL BE ADDED AS PER EXISTING SHOP PRACTICES.
- OVERALL SIZES OF ITEMS ARE INDICATED IN THE BILL OF MATERIAL. BASED ON AVAILABILITY OF PLATE SIZES AND REQUIRED SHAPE, THE ITEMS MAY BE FABRICATED FROM INDIVIDUAL PLATES WELDED TOGETHER. HOWEVER FULL PENETRATION BUTT WELDS WITH 100% RADIOGRAPHY IS TO BE CARRIED OUT FOR ALL THESE JOINTS. THE VENDOR SHALL OBTAIN PRIOR APPROVAL FROM THE PURCHASER FOR THE CONFIGURATION AND LOCATION OF ALL SUCH ADDITIONAL BUTT WELDED JOINTS THAT ARE PROPOSED TO BE CARRIED OUT BY HIM.
- USE TEMPLATES FOR MARKING AND DRILLING HOLES. THE SAME TEMPLATE IS TO BE USED FOR DRILLING HOLES IN ALL MATING COMPONENTS.
- LIFTING LUGS ARE TO BE PROVIDED BY THE VENDOR FOR HANDLING THE MODULES AT SHOP AND AT SITE. THE LIFTING LUGS SHALL BE REMOVED FROM THE MODULES AFTER COMPLETION OF THE WELDING OF THE MODULES AT SITE. THE LUGS SHALL BE REMOVED WITHOUT DAMAGING THE PARENT PLATES AND ANY PROJECTION OR ROUGH SURFACE FOUND IS TO BE GROUND SMOOTH AND PAINTED.

TOTAL WEIGHT 299407 kg(Approx.)

S.NO	DESCRIPTION	MATERIAL	QTY	W.T	REMARKS
4	INTERFACE RING	-	1	804	REFER SHEET NO : 14 OF 14
3	GROUND ANCHOR	-	4	4144	REFER SHEET NO : 13 OF 14
2	UMBILICAL TOWER (UT)	-	1	48787	REFER SHEET NO : 10 OF 14
1	MOBILE LAUNCH PEDESTAL(MLP)	-	1	245672	REFER SHEET NO : 2 OF 14

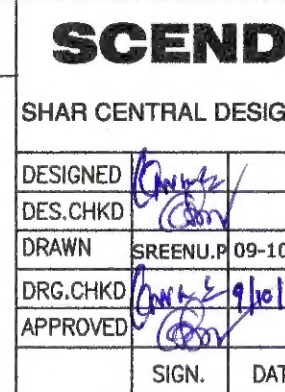
STATUS	SIGN	DATE
DISCUSSION / REVIEW		
TENDER PURPOSE		
FABRICATION		
UNRESTRICTED	RESTRICTED	CONFIDENTIAL
THIS DRAWING IS THE PROPERTY OF SDSC-SHAR AND IS ISSUED FOR THE SPECIFIC WORK / PROJECT MENTIONED THEREIN. THIS IS NOT TO BE COPIED OR USED FOR OTHER WORKS / PROJECTS UNLESS EXPRESSLY PERMITTED BY SDSC-SHAR.		

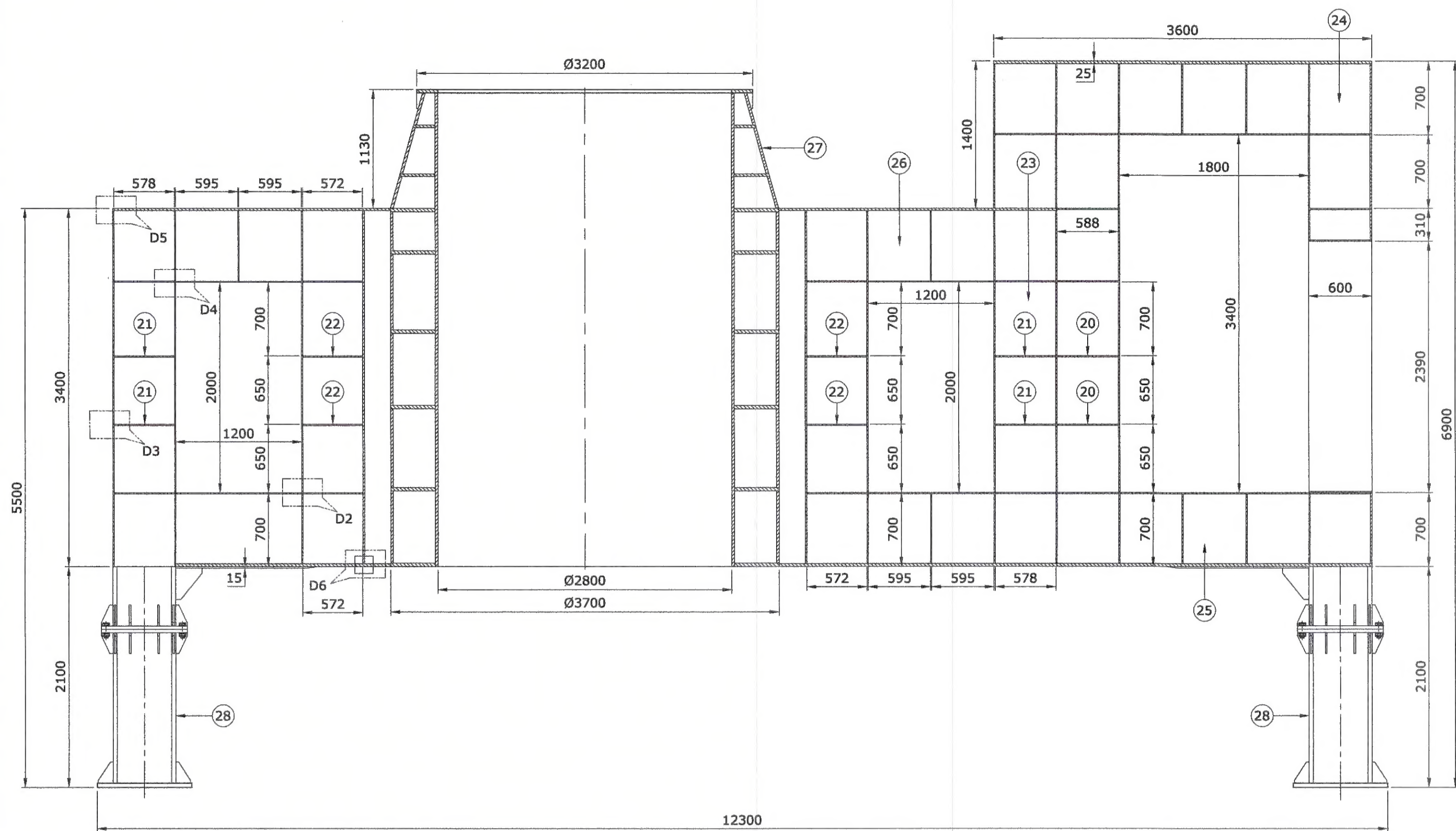
DO NOT SCALE THE DRAWING
ASK IF IN DOUBT
UNLESS OTHERWISE SHOWN
ALL DIMENSIONS ARE IN MILLIMETERS
REMOVE SHARP EDGES & BURRS
CHAMFER 1 M.M. X 45°
MACHINING FINISH IN MICRONS :-
▽ 8 - 25 ▽ 1.6 - 8
▽▽ 0.025 - 1.6 ▽▽▽ < 0.025

DEVIATION FOR NON TOLERANCED DIMENSIONS (IS -2102)	
DIAMETERS & LENGTHS	LENGTH IN M.M. OF SHORTER SIDE OF ANGLE UPTO & INCL.
UPTO & INCL. 6 ±0.1	
6 - 30 ±0.2	
30 - 120 ±0.3	
120 - 315 ±0.5	1- 6 ± 1'-0d
315 - 1000 ±0.8	6- 30 ± 0'-3d
1000 - 2000 ±1.2	30-120 ± 0'-2d
2000 - 4000 ±2.0	120-400 ± 0'-1d
4000 & ABOVE ±3.0	

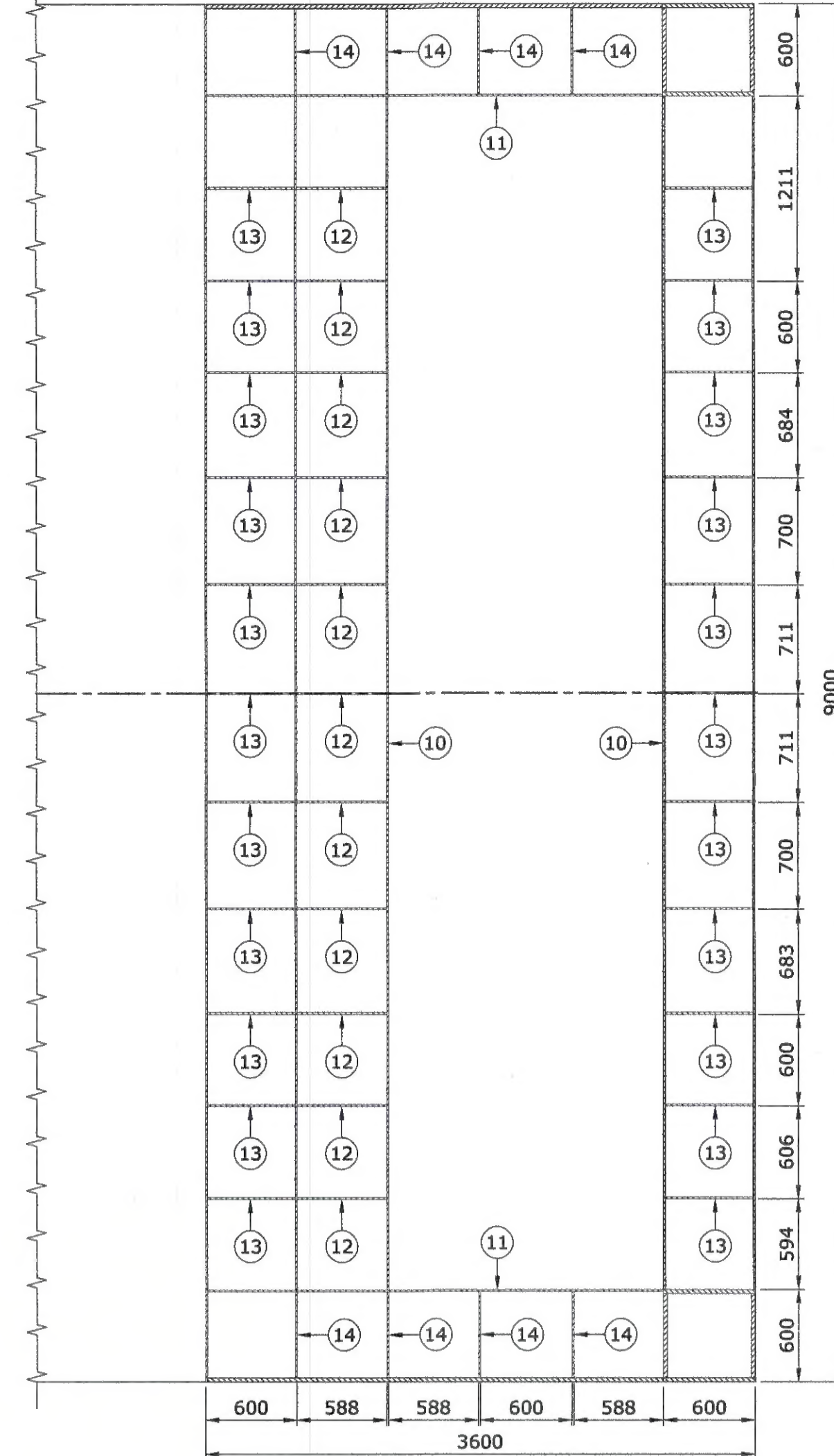
SCEND	
DESIGNED	SHAR CENTRAL DESIGNS
DRAWN	SHAR CENTRAL DESIGNS
DRG.CHKD	SHAR CENTRAL DESIGNS
APPROVED	SHAR CENTRAL DESIGNS
SIGN.	DATE

TITLE		SCALE		DRG. NO.		SHEET	
GENERAL ASSEMBLY OF MOBILE LAUNCH STRUCTURE (MLS) (SLC PROJECT)		1 : 25		10-STR-12-1-23/A1		1 OF 14	
GOVERNMENT OF INDIA INDIAN SPACE RESEARCH ORGANISATION SATISH DHAWAN SPACE CENTRE SHAR SRIHARIKOTA							
PROJECTION							

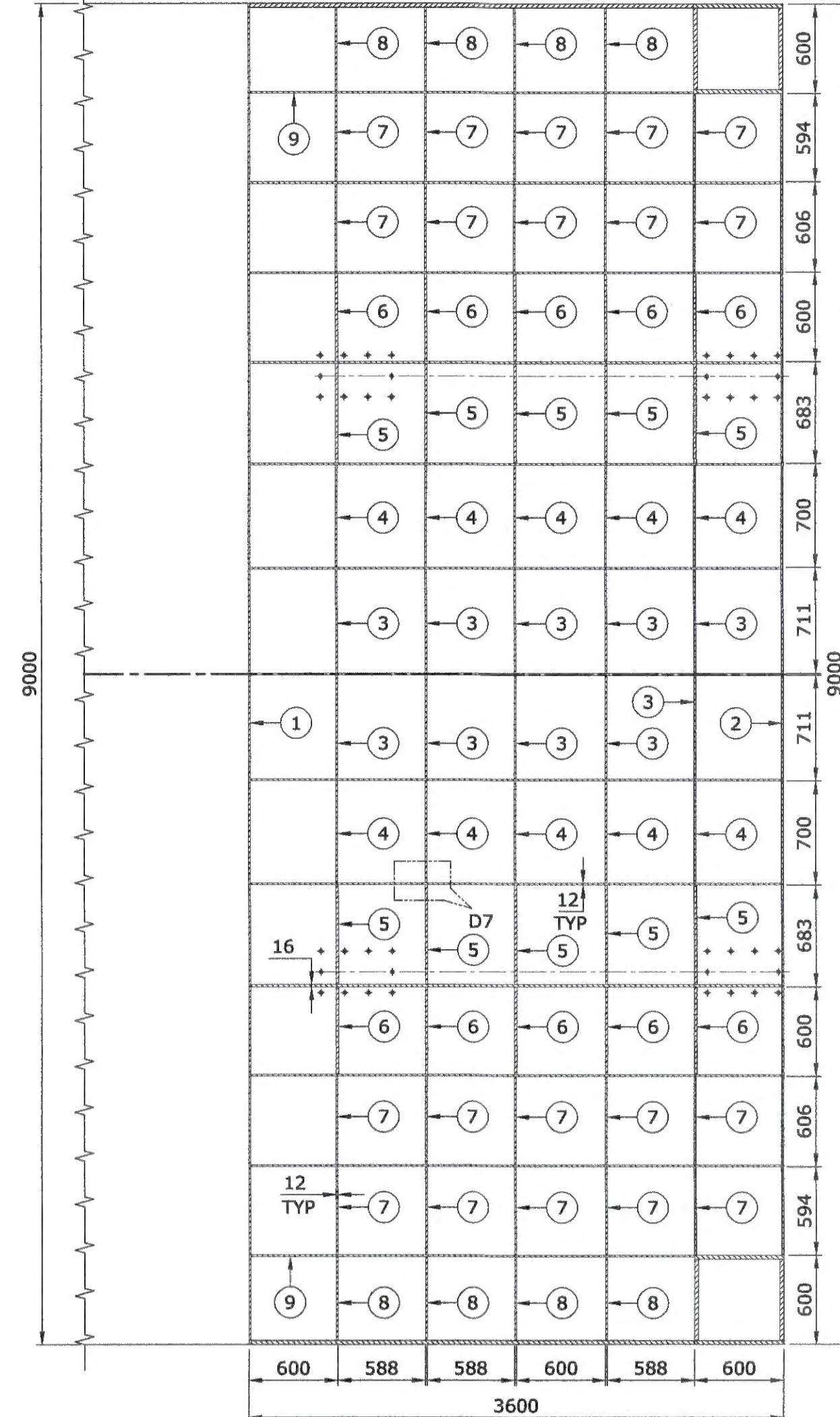




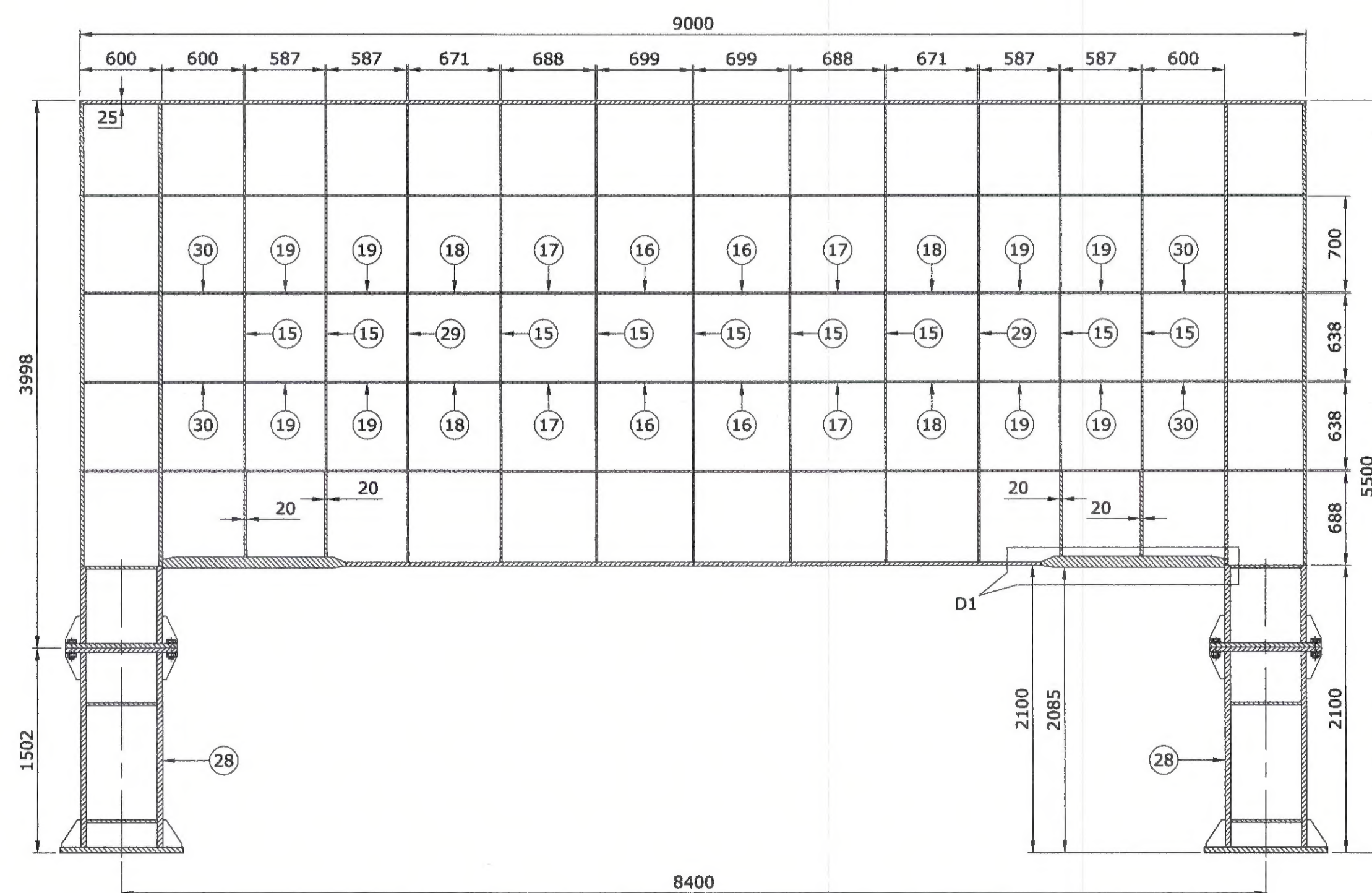
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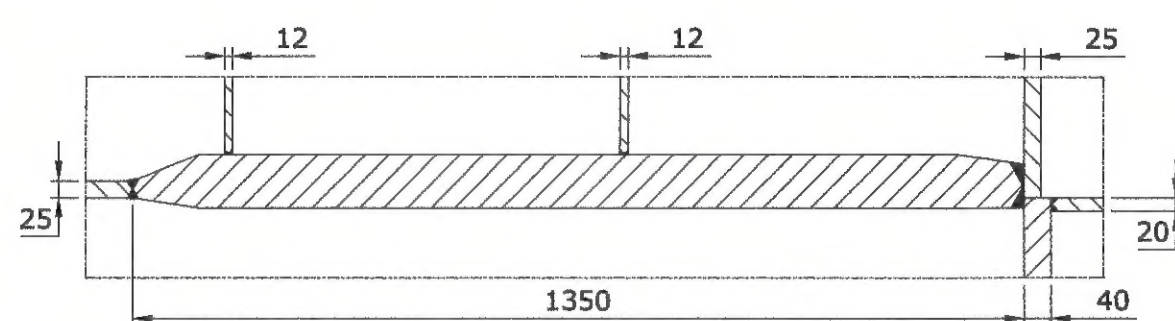
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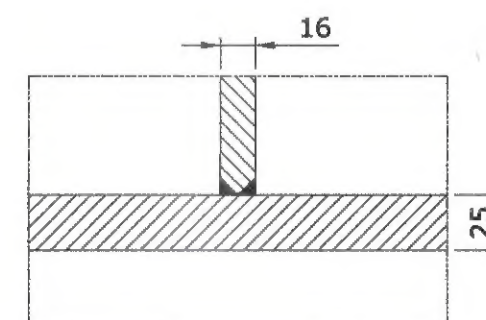
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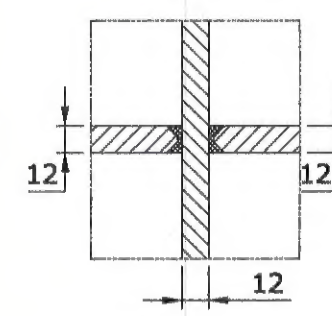
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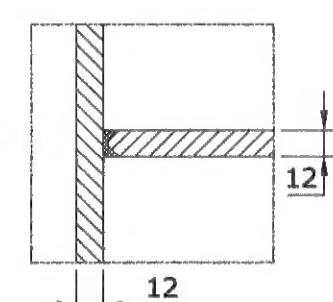
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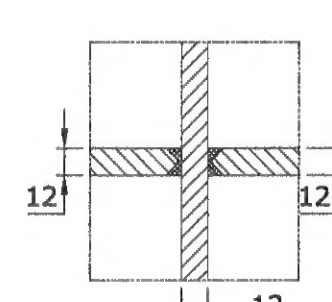
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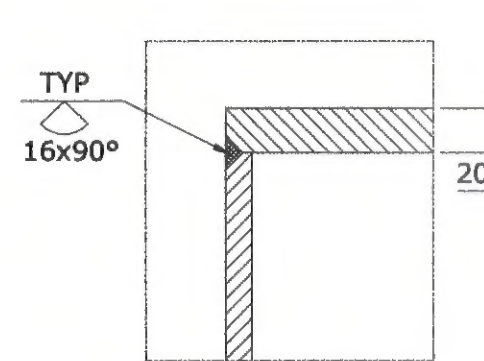
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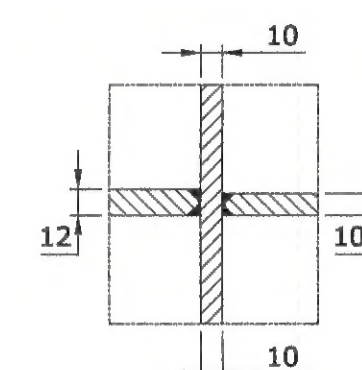
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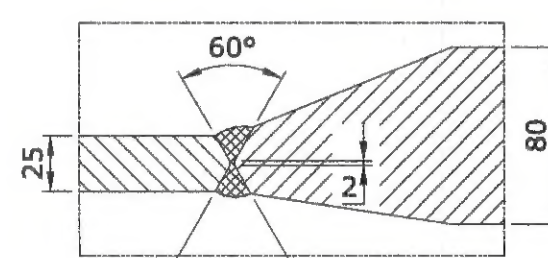
DETAIL : D7



DETAIL : D5



DETAIL : D4



BUTT WELD

TOTAL WEIGHT 245672 kg(Approx.)

30	PLATE 600 x 578 x 12Thk	IS : 2062 E250 Gr : B	4	131	
29	PLATE 2000 x 578 x 14Thk	IS : 2062 E250 Gr : B	2	254	
28	DETAILS OF MLP LEG	-	1	15933	REFER SHEET NO : 9 OF 14
27	CENTRAL ANNULAR STRUCTURE	-	1	30980	REFER SHEET NO : 8 OF 14
26	DETAILS OF TOP DECK	-	1	55239	REFER SHEET NO : 7 OF 14
25	DETAILS OF BOTTOM DECK	-	1	64172	REFER SHEET NO : 6 OF 14
24	SECTIONAL DETAILS OF S5-S5 & S6-S6 OF MLP	-	1	15043	REFER SHEET NO : 5 OF 14
23	SECTIONAL DETAILS OF S8-S8 OF MLP	-	1	49272	REFER SHEET NO : 4 OF 14
22	PLATE 700 x 572 x 12Thk	IS : 2062 E250 Gr : B	48	1810	
21	PLATE 700 x 578 x 12Thk	IS : 2062 E250 Gr : B	48	1829	
20	PLATE 700 x 588 x 12Thk	IS : 2062 E250 Gr : B	24	931	

19	PLATE 587 x 578 x 12Thk	IS : 2062 E250 Gr : B	8	256	
18	PLATE 671 x 578 x 12Thk	IS : 2062 E250 Gr : B	4	146	
17	PLATE 688 x 578 x 12Thk	IS : 2062 E250 Gr : B	4	150	
16	PLATE 700 x 578 x 12Thk	IS : 2062 E250 Gr : B	4	152	
15	PLATE 2000 x 578 x 12Thk	IS : 2062 E250 Gr : B	9	980	
14	PLATE 700 x 563 x 12Thk	IS : 2062 E250 Gr : B	8	297	
13	PLATE 700 x 576 x 12Thk	IS : 2062 E250 Gr : B	22	836	
12	PLATE 700 x 588 x 12Thk	IS : 2062 E250 Gr : B	11	426	
11	PLATE 2988 x 700 x 12Thk	IS : 2062 E250 Gr : B	2	394	
10	PLATE 7800 x 700 x 12Thk	IS : 2062 E250 Gr : B	2	1029	
9	PLATE 2988 x 650 x 12Thk	IS : 2062 E250 Gr : B	2	366	
8	PLATE 564 x 650 x 12Thk	IS : 2062 E250 Gr : B	8	276	
7	PLATE 594 x 650 x 12Thk	IS : 2062 E250 Gr : B	20	727	
6	PLATE 588 x 650 x 16Thk	IS : 2062 E250 Gr : B	10	480	
5	PLATE 672 x 650 x 16Thk	IS : 2062 E250 Gr : B	10	549	
4	PLATE 688 x 650 x 12Thk	IS : 2062 E250 Gr : B	10	421	
3	PLATE 700 x 650 x 12Thk	IS : 2062 E250 Gr : B	10	429	
2	PLATE 7800 x 1380 x 12Thk	IS : 2062 E250 Gr : B	1	1014	
1	PLATE 9000 x 1380 x 12Thk	IS : 2062 E250 Gr : B	1	1170	
S.NO	DESCRIPTION	MATERIAL	QTY	W.T	REMARKS

SCEND

SHAR CENTRAL DESIGNS

DESIGNED	<i>[Signature]</i>	
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DES. CHRD	<i>Green</i>
DRAWN	GREENLE 09-10-23

DRG.CHKD *[Signature]* 9/30/22

	SIGN	DATE
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TITLE SECTIONAL VIEW OF PEDESTAL DECK
(SLC PROJECT)

**GOVERNMENT OF INDIA
INDIAN SPACE RESEARCH ORGANISATION
SATISH DHAWAN SPACE CENTRE SHAR
SRIHARIKOTA**

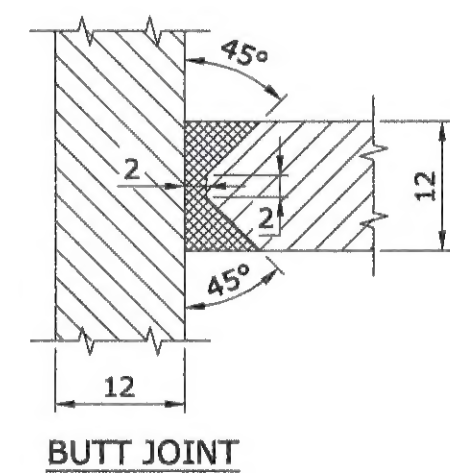
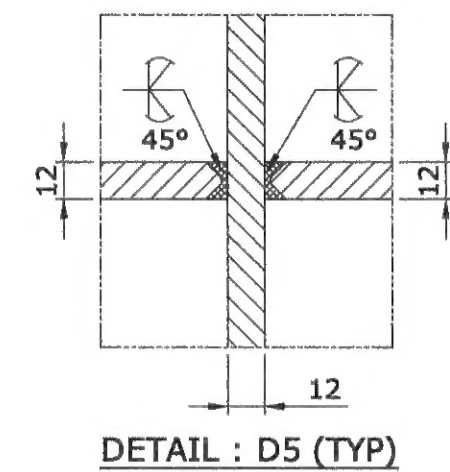
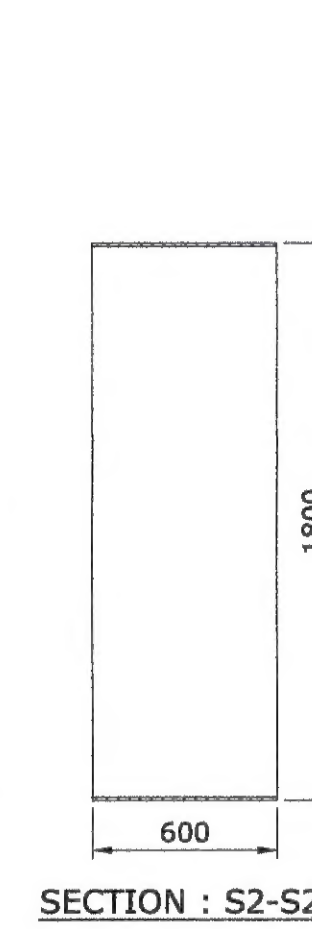
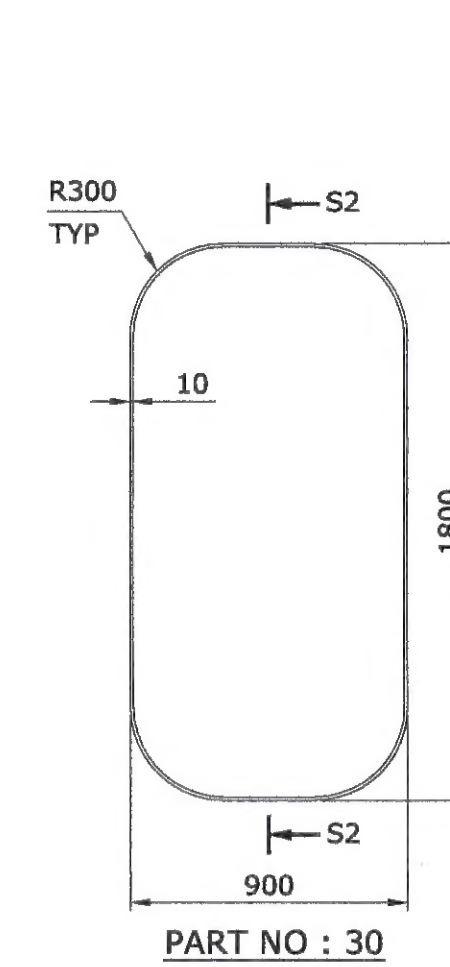
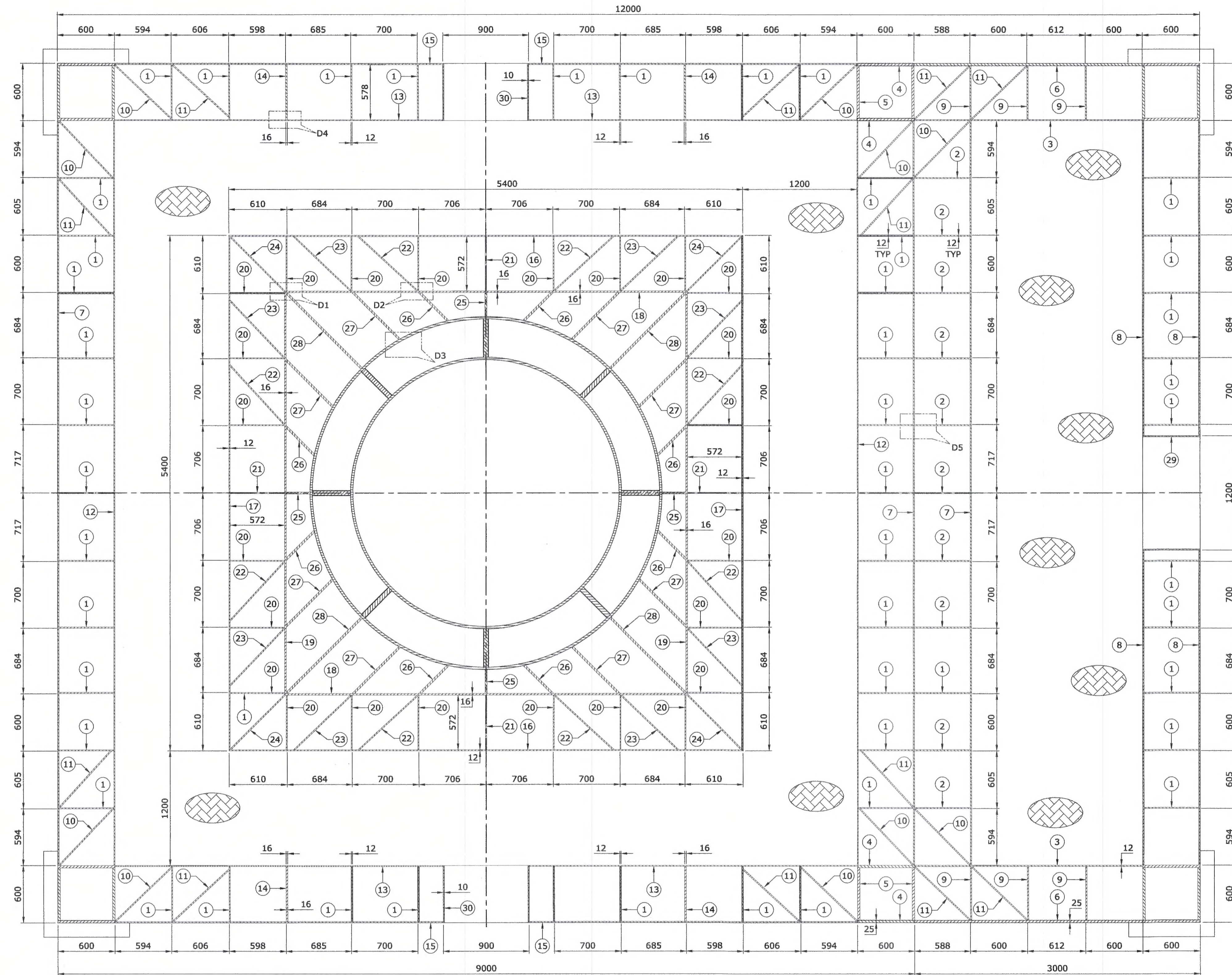
SCALE

DRG. NO.

PROJECTION

The symbol consists of a circle on the left and a truncated cone on the right, connected by a horizontal line. The circle has a crosshair in the center. The truncated cone is shown in profile, with a wider base on the left and a narrower top on the right.

SHEET 3



SECTION : S8-S8

- NOTES:-
1. ALL DIMENSIONS SHOWN ARE FINISHED DIMENSIONS.
 2. ALL PLATES ABOVE 20mm THICK SHALL BE UT TESTED.
 3. ALL WELDS ARE OF 10mm SIZE FILLET UNLESS OTHERWISE SPECIFIED.
 4. ALL WELDS ARE TO BE DP TESTED FOR ROOT AND FINAL PASSES TO ENSURE WELD QUALITY.
 5. ALL BUTT WELD JOINTS SHALL BE 100% R.T CHECKED.
 6. FINAL MACHINING SHALL BE CARRIED OUT AFTER STRESS RELIEVING.
 7. CHECK THE STATUS OF THE DRAWING BEFORE STARTING FABRICATION.

STATUS	SIGN	DATE
DISCUSSION / REVIEW		
TENDER PURPOSE		
FABRICATION		
UNRESTRICTED	RESTRICTED	CONFIDENTIAL
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DO NOT SCALE THE DRAWING ASK IF IN DOUBT UNLESS OTHERWISE SHOWN ALL DIMENSIONS ARE IN MILLIMETERS REMOVE SHARP EDGES & BURRS CHAMFER 1 M.M. X 45° MACHINING FINISH IN MICRONS :- ▽ 8 - 25 ▽ 1.6 - 8 ▽▽ 0.025 - 1.6 ▽▽▽ < 0.025		
DEVIATION FOR NON TOLERANCED DIMENSIONS (IS -2102) DIAMETERS & LENGTHS UPTO & INCL 6 ±0.1 6 - 30 ±0.2 30 - 120 ±0.3 120 - 315 ±0.5 315 - 1000 ±0.8 1000 - 2000 ±1.2 2000 - 4000 ±2.0 4000 & ABOVE ±3.0 LENGTH IN M.M. OF SHORTER SIDE OF ANGLE UPTO & INCL. 1- 6 ± 1'-00 6- 30 ± 0'-30 30-120 ± 0'-20 120-400 ± 0'-10		

SCEND
SHAR CENTRAL DESIGNS

DESIGNED
DRAWN
DRG.CHECKED
APPROVED
SIGN. DATE

TITLE
SECTIONAL DETAILS OF S8-S8 OF MLP
(SLC PROJECT)

GOVERNMENT OF INDIA
INDIAN SPACE RESEARCH ORGANISATION
SATISH DHAWAN SPACE CENTRE SHAR
SRIHARIKOTA

PROJECTION
SCALE 1 : 25
DRG. NO. 10-STR-12-1-23/A1
SHEET 4
OF 14